

Title of Invention: Multi-Axes Tool Compensation -- 3D and 5-axis real-time interactive tool compensation inside the CNC machine tool controller.

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CNC Machine Tool Parameters Ver 1.2

Tool Parameters

Size	Y-Off	Y-Off	Y-Off	Y-Off	Y-Off	Y-Off	Y-Off
1	0.25	0.0	0.0	0.0	0.0	0	0
2	0.0	0.0	0.0	0.0	0.0	0	0
3	0.0	0.0	0.0	0.0	0.0	0	0
4	0.0	0.0	0.0	0.0	0.0	0	0
5	0.0	0.0	0.0	0.0	0.0	0	0
6	0.0	0.0	0.0	0.0	0.0	0	0
7	0.0	0.0	0.0	0.0	0.0	0	0
8	0.0	0.0	0.0	0.0	0.0	0	0
9	0.0	0.0	0.0	0.0	0.0	0	0
10	0.0	0.0	0.0	0.0	0.0	0	0

Tool Details (G50 Mode Only)

Corner radius	Bottom angle	Side angle	Length	Type
0.0	0.0	0.0	3.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0
0.0	0.0	0.0	0.0	0

Machine Offset

X	Y	Z	W	U	V	W	U
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Machine Offset

G54	G55	G56	G57	G58	G59
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0

Graphical Editor

☐ On (Run/Drill/2.5 Cycle/Feed Mode)
☐ Basic Graphical Display (Speed/Feed)
☒ Graphics Solid vs Wire Frame

0.001 Tolerance (mm or inch)

 1 Block Size Graphic

☒ TeachX Teach File Name (No Path)

☒ Absolute (0)
☐ Incremental (1)
☐ Relative (2)

Speed Select
 Spd Z-Feed 0.0
 Spd X-Feed 1.0

F5 Tool Parameters

F6 Tool Lib

F7 Tool Photos

F8 Control Machine

F9 Control Lock

FIG 1.

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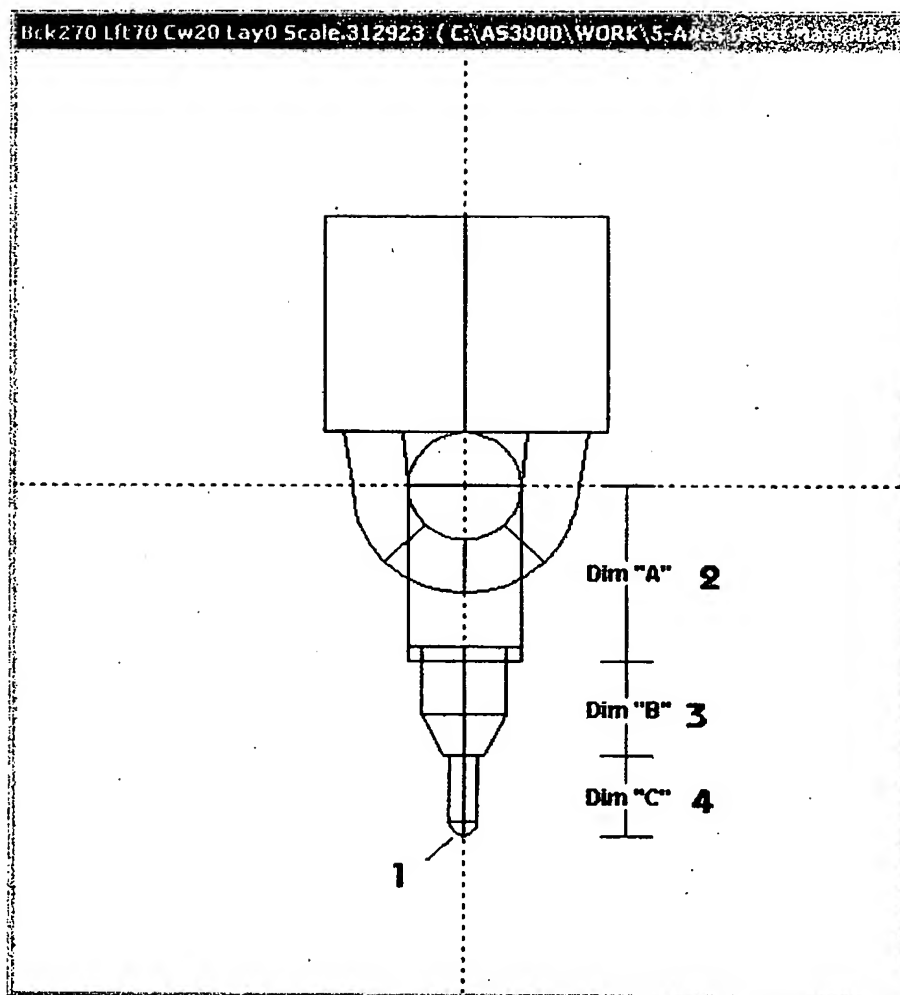


FIG 2.

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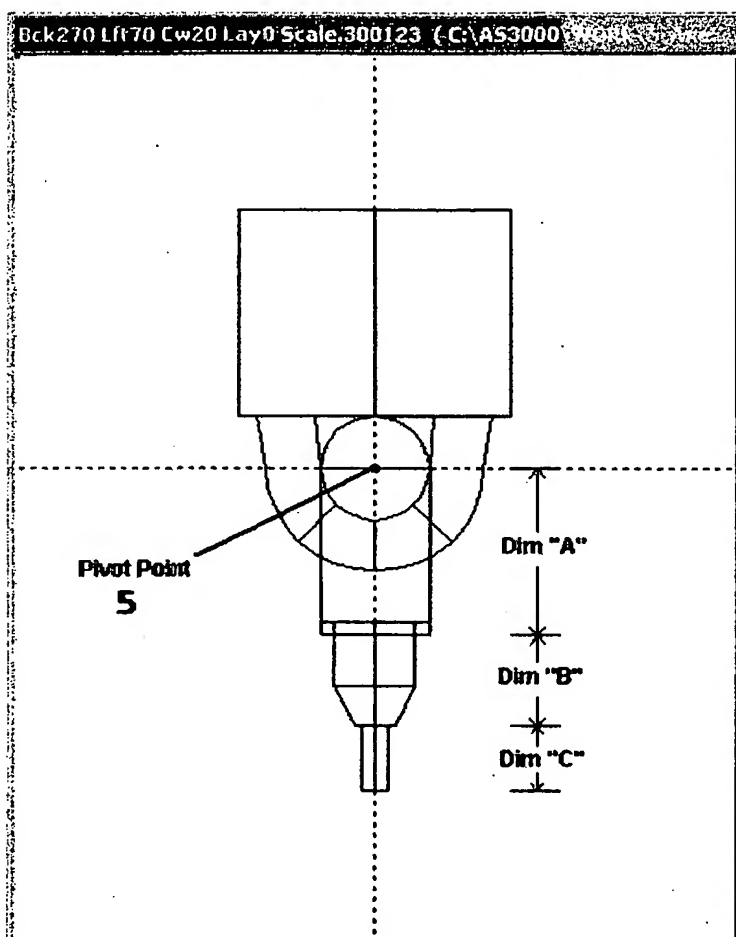


FIG 3.

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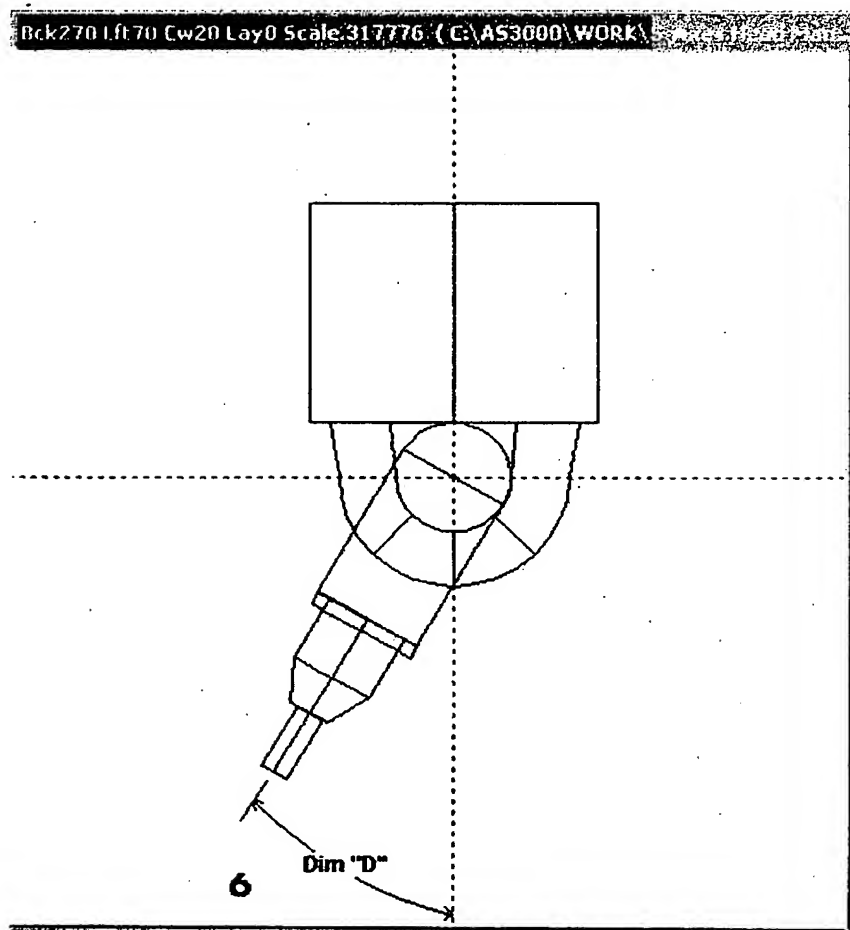


FIG 4.

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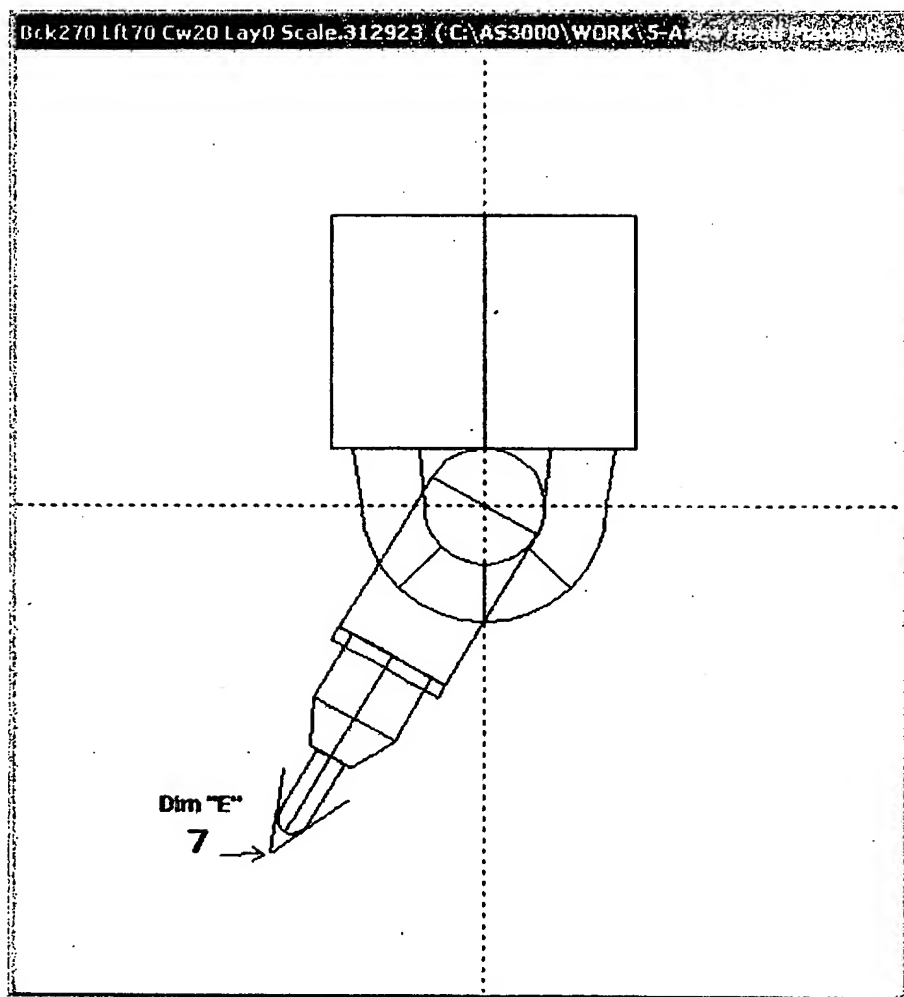


FIG 5.

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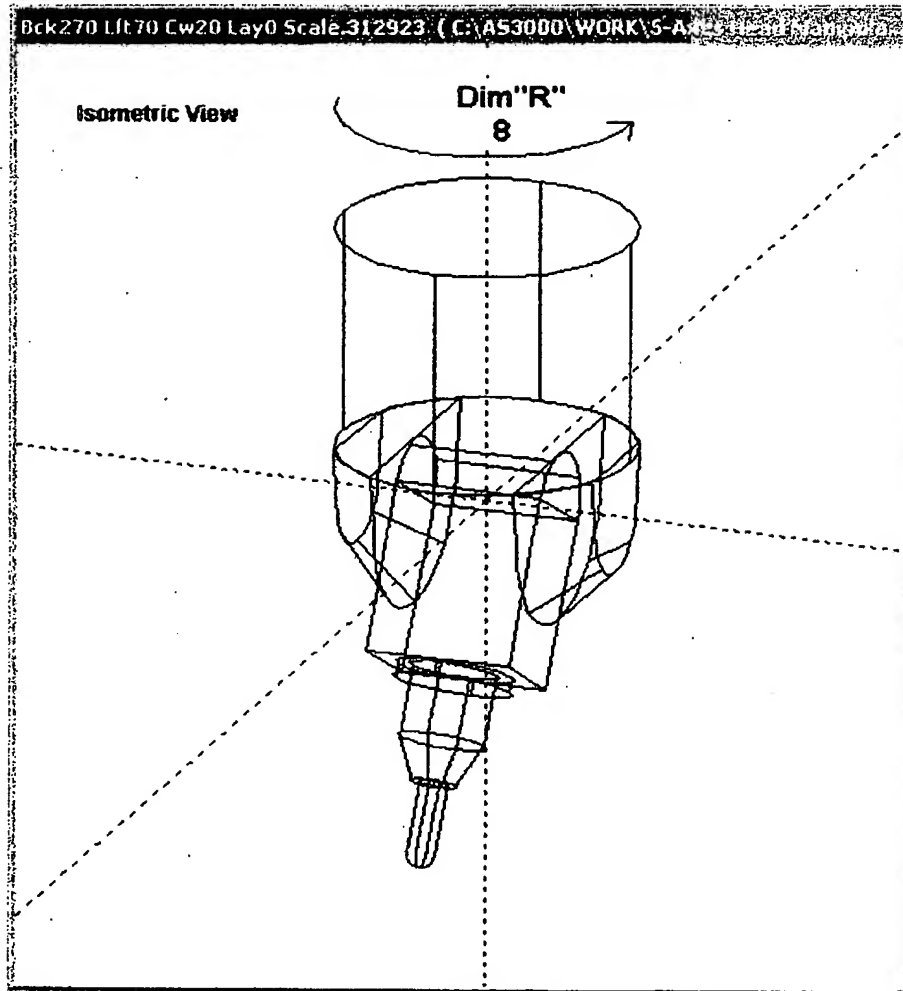


FIG 6.